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| **Less emphasis on:** | **More emphasis on:** |
|  | **Standards for Mathematical Practice**   * + - Describe mathematical “habits of mind”     - Standards for mathematical proficiency: reasoning, problem solving, modeling, decision making, and engagement     - Connect with content standards in each grade |
| **Numbers & Operations**   * Representing and using numbers in equivalent forms * Modeling and comparing rational numbers * Applying place value concepts, GCF and LCM * Operations with integers * Using order of operations * Estimating solutions | **Numbers & Operations**   * Analyzing proportional relationships * Representing proportional relationships by equations * Using proportional relationships to solve multi-step problems * Unit rates associated with fractions * Operations with rational numbers * Convert rational numbers to a decimal using long division |
| **Measurement**   * Using conversions to add & subtract | **Measurement** |
| **Geometry**   * Properties of 1-, 2-, and 3-dimensional shapes and classifying 2- and 3-dimensional shapes * Predicting the result of a translation, rotation and/or reflection * Locating/plotting points on the coordinate plane * Predicting the result of a translation, rotation and/or reflection | **Geometry**   * Real life mathematical problems involving angle measure, area, surface area, and volume. * Knowing the formulas for area & circumference of a circle and use them to solve problems * Reproducing scale drawings using a different scale * Using scale drawing to compute actual lengths and areas |
| **Algebraic Concepts**   * Properties of numbers (Commutative, Associative, Identity, Distributive) * Extending/finding a missing element of a pattern * Determining function rules from patterns * Describing the relationship of data involving constant rate of change | **Algebraic Concepts**   * Using properties of operations to write equivalent expressions * Solving multi-step, real-life mathematical problems using rational numbers * Solving word problems using equations and inequalities |
| **Data Analysis & Probability**   * Organizing and analyzing data in different types of displays * Interpreting trends based on a graph * Finding the probability of simple events | **Data Analysis & Probability**   * Using random sampling to draw inferences * Measure of center and variability with random samples * Drawing informal comparative inferences about two populations * Developing, using and evaluating probability models * Finding the probability of compound events |